

CONTENTS

| | |
|--|-----|
| Preface | vii |
| Contents | ix |
| I.S. Duff, Architectures and systems | 1 |
| I.S. Duff, Direct solvers | 21 |
| G. Meurant, Iterative methods for multiprocessor vector computers | 51 |
| ASTRID group, ASTRID: Structured finite element and finite volume programs adapted to parallel vectorcomputers | 81 |
| D.V. Anderson, Parallel algorithms for plasma physics calculations | 117 |
| A. Rizzi, Vector algorithm for large-memory Cyber 205 simulations of Navier–Stokes flows over delta wings | 137 |
| A.J. Simmons and D. Dent, The ECMWF multi-tasking weather prediction model | 165 |
| C. Roucairol, Parallel computing in combinatorial optimization | 195 |
| N. Magnenat Thalmann and D. Thalmann, Computer graphics and animation | 221 |